

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2005/004546

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: B01D 61/02 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁸: B01D, C07CDocumentation searched other than minimum documentation to the extent that such documents are included in the fields searched
----Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI, EPODOC, PAJ, STN-Patpa

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 606 943 A (RAK et al.) 19 August 1986 (19.08.1986) <i>claims and examples</i>	1-10
A	US 4 783 346 A (SUNDET, S.A.) 8 November 1988 (08.11.1988) <i>claim 1 and examples</i>	1-10
A	US 5 368 889 A (JOHNSON et al.) 29 November 1994 (29.11.1994) <i>claim 1 and examples</i>	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
26 April 2006 (26.04.2006)Date of mailing of the international search report
10 May 2006 (10.05.2006)Name and mailing address of the ISA/ AT
Austrian Patent Office
Dresdner Straße 87, A-1200 Vienna
Facsimile No. +43 / 1 / 534 24 / 535Authorized officer
STEPANOVSKY M.

Telephone No. +43 / 1 / 534 24 / 135

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 658 460 A (CADOTTE et al.) 19 August 1997 (19.08.1997) <i>claim 1 and examples</i> -----	1-10

INTERNATIONAL SEARCH REPORT
Information on patent family members

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PCT/KR 2005/004546

Patent document cited in search report			Publication date		Patent family member(s)		Publication date	
US	A	4606943	1986-08-19		GB	A 2139113	1984-11-07	
					CA	A1 1220990	1987-04-28	
US	A	4783346			JP	A 2002864	1990-01-08	
					IL	A 88643	1993-02-21	
					EP	A2 0319990	1989-06-14	
					DE	T2 3885067T	1994-03-17	
					DE	D1 3885067D	1993-11-25	
					CA	C 1335064	1995-04-04	
US	A	5368889	1994-11-29		WO	A1 9423943	1994-10-27	
					JP	T 8509162T	1996-10-01	
					EP	A1 0693026	1996-01-24	
US	A	5658460	1997-08-19		WO	A1 9741950	1997-11-13	
					AU	A 2739897	1997-11-26	